

MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR OSHA HAZARD COMMUNICATION STANDARD OMB NO/1218-0072

PRODUCT TRADE NAME: TUFF COAT CP-10 PART B
PRODUCT DESCRIPTION: WATER BASED EPOXY PRIMER

SECTION 1: PRODUCT AND COMPANY INFORMATION

TUFF COAT MANUFACTURING INC., TELEPHONE: (970) 252-9457
MONTROSE, CO 81401 REV: 3-1-2013 EMERGENCY 1-800-424-9300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>%</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>
Glycol Ether	<20	107-98-2	100ppm
Tetraethylenepentamine	<10	112-57-2	N/E
Proprietary Ingredients	>70	Trade Secret	N/E

HEALTH 2 FIRE: 1 REACTIVITY: 0 OTHER: N/A

SECTION 3: HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: Epoxy resin solution. Certain individuals may have pre-existing skin or respiratory conditions causing a sensitivity or allergy which manifests as various reactions. Heating or spraying this product or the mixed parts increases potential health hazards. Health and Safety personnel should examine handling procedures and remedy existing and potential health and safety hazards.

POTENTIAL HEALTH EFFECTS:

EYE: May Cause irritation

SKIN: May cause irritation. Low dermal absorption

INGESTION: May inflame or damage the G.I. Tract. Large quantities may be harmful

INHALATION: May cause irritation

CHRONIC EFFECTS: Repeated exposure may cause irritation and sensitization

SIGNS & SYMPTOMS: Skin rash, reddening or eczema; breathing irritation or difficulty

SECTION 4: FIRST AID MEASURES

USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS

EYE: Hold eyelids apart and flood with copious amounts of water. Seek medical attention

SKIN: Remove excess product. Wash thoroughly with soap and water. If irritation persists, seek medical attention

INGESTION: If swallowed, **DO NOT** induce vomiting, unless directed to do so by medical personnel. Contact a physician or poison control center. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. Get medical attention if symptoms persist. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

NOTE TO PHYSICIAN: Treatment should be directed at the control of symptoms and the clinical manifestations.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 100° C 212° F UEL: N/A LEL: N/A VAPOR DENSITY: N/A

NFPA FLAMMABILITY RATING: 1 **AUTO IGNITION:** 300° C 570° F

COMBUSTION PRODUCTS: CO, CO², NO_x, & misc hydrocarbons

SPECIAL HAZARDS: Pre-sensitization to epoxy

EXTINGUISHING MEDIA: Use foam, CO², dry chemical, water fog

FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA

SECTION 6: ACCIDENTAL RELEASE/CLEAN UP MEASURES

Isolate spill area. Keep out of sewer and storm drains. Stop the leak and contain the spill. Vacuum, scoop, or absorb spill with non-combustible materials. Clean up residues with soap and water.

SECTION 7: HANDLING AND STORAGE

HANDLING: **Keep out of reach of children.** Avoid skin and eye contact. Avoid breathing vapors. Use with adequate ventilation. Keep contents and freshly treated articles away from flame, food, and living plants. Do not contaminate water by cleaning equipment or disposing of waste.

STORAGE: Store at 65°F - 85°F, out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage. Avoid breathing vapors and aerosols. Use only with adequate ventilation. Do not eat, drink or smoke in areas of use or storage. Assure that proper personal protective measures are taken when opening or entering confined storage vessels. Store away from caustics and oxidizers. Keep containers from excessive heat or freezing.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (local exhaust or general room dilution) to maintain exposure levels below PEL or TLV. Vapors are heavier than air and will collect in low areas. Check all low areas (basements, sumps, etc.) for vapor before entering.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYES: Chemical splash goggles, safety glasses with side shields, or full-face masks are recommended.

SKIN: Chemical resistant gloves (rubber, nitrile, etc.), long sleeved shirts and long pants are recommended to avoid skin contact.

RESPIRATORY: None normally required under anticipated use conditions. A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister should be used in circumstances where airborne concentrations are expected to exceed exposure limits.

PROTECTIVE CLOTHING: Impervious apron and rubber boots to prevent skin contact.

GENERAL HYGIENE PRACTICES: Remove contaminated clothing and wash before reusing. Do not eat, drink, or smoke while handling to avoid accidental ingestion of this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: amber

ODOR: faint amine

PHYSICAL STATE: liquid

pH: N.D.A. VAPOR PRESS: N.D.A. VAPOR DENSITY: N.D.A. SPECIFIC GRAVITY: 1.01

BOILING POINT: N.D.A.

MELT POINT: N.D.A.

SOLUBILITY IN H₂O: moderate

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: Strong acids, caustics, oxidizers and epoxy hardeners in an uncontrolled condition

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS COMPOSITION: None know, other than Sec 5's Combustion Products

SECTION 11: TOXICOLOGICAL INFORMATION

Oral: N.D.A.

Dermal: N.D.A.

Inhalation: N.D.A.

Carcinogens under OSHA, ACGIH, NTP, IARC or Other: None \geq 0.1%

SECTION 12: ECOLOGICAL INFORMATION

N.D.A.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable federal, state and local laws and regulations

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated

IATA

IMO

SECTION 15: REGULATORY INFORMATION

OSHA: 29 CFR 1910.1200 Hazardous Chemical "Irritant", "Sensitizer"

TSCA: Ingredients listed

SARA III: Sec 311 & 312 Immediate Health Hazard; Sec 313 not listed

CA PROP 65 NOTICE: Not Listed

VOLATILEORGANIC COMPOUND (VOC) %: 7 NFPA: HEALTH 2 FIRE: 1 REACTIVITY: 0 OTHER: N/A

CANADIAN REGULATORY INFORMATION

WHMIS: Hazard Classification: ClassD2B Skin Sensitizer. Refer to MSDS for specific warning

WHMIS SYMBOLS: Stylized T

WHMIS: Trade Secret Registry Numbers: None

Hazardous Products Act Information: This product MSDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 14 and 14)

ABBREVIATIONS: N/A = Not Applicable, N.D.A. = No Data Available; NE = Not Established

SECTION 16: DISCLAIMER

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to TUFF COAT MANUFACTURING INC., from its suppliers, and because TUFF COAT MANUFACTURING INC., has no control over the conditions of handling and use, TUFF COAT MANUFACTURING INC., makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and TUFF COAT MANUFACTURING INC., assumes no responsibility for use or reliance thereon. It is the responsibility of the user of TUFF COAT MANUFACTURING INC., products to comply with applicable federal, state, and local laws and regulations.

MSDS-CP10B-4/1/13-1